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Claims

1. A method for automatically re-establishing a connection to a data source accessible by a plurality of remote applications, the method comprising:
providing at least one interface module configured to interface with a remote application;
providing at least one port module configured to interface between the interface module and the data source;
providing a connection manager to facilitate the interface between the interface module and the port module;
detecting unavailability of the data source in response to an initial request for the data source by the remote application;
dynamically detecting availability of the data source in response to a subsequent request for the data source; and
re-connecting the data source to the remote application in response to the subsequent request.
2. The method of claim 1, wherein the detecting unavailability is executed by the port module.
3. The method of claim 1, wherein the detecting unavailability is executed by the connection manager.
4. The method of claim 1, wherein the dynamically detecting is executed by the port module.

- 5 5. The method of claim 1, wherein the dynamically detecting is executed by the connection manager.
6. The method of claim 1, wherein re-connecting further comprises re-establishing a connection between the port module and the data source independently from initialization of the connection manager.
- 10 7. The method of claim 1, wherein re-connecting further comprises re-establishing a connection between the port module and the data source without re-initializing the connection manager.

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an interface module configured to interface with a remote application;

a port module configured to interface between the interface module and the data source; and

one of the port module and the connection manager module, further configured to dynamically detect availability of the data source in response to a subsequent request for the data source, and to re-connect the data source to the remote application in response to the subsequent request.

17. The system of claim 15, wherein the connection manager module is configured to execute at least one of the dynamically detecting and re-connecting steps.

19. The system of claim 15, wherein re-connecting further comprises re-establishing a connection between the port module and the data source without re-initializing the connection manager.